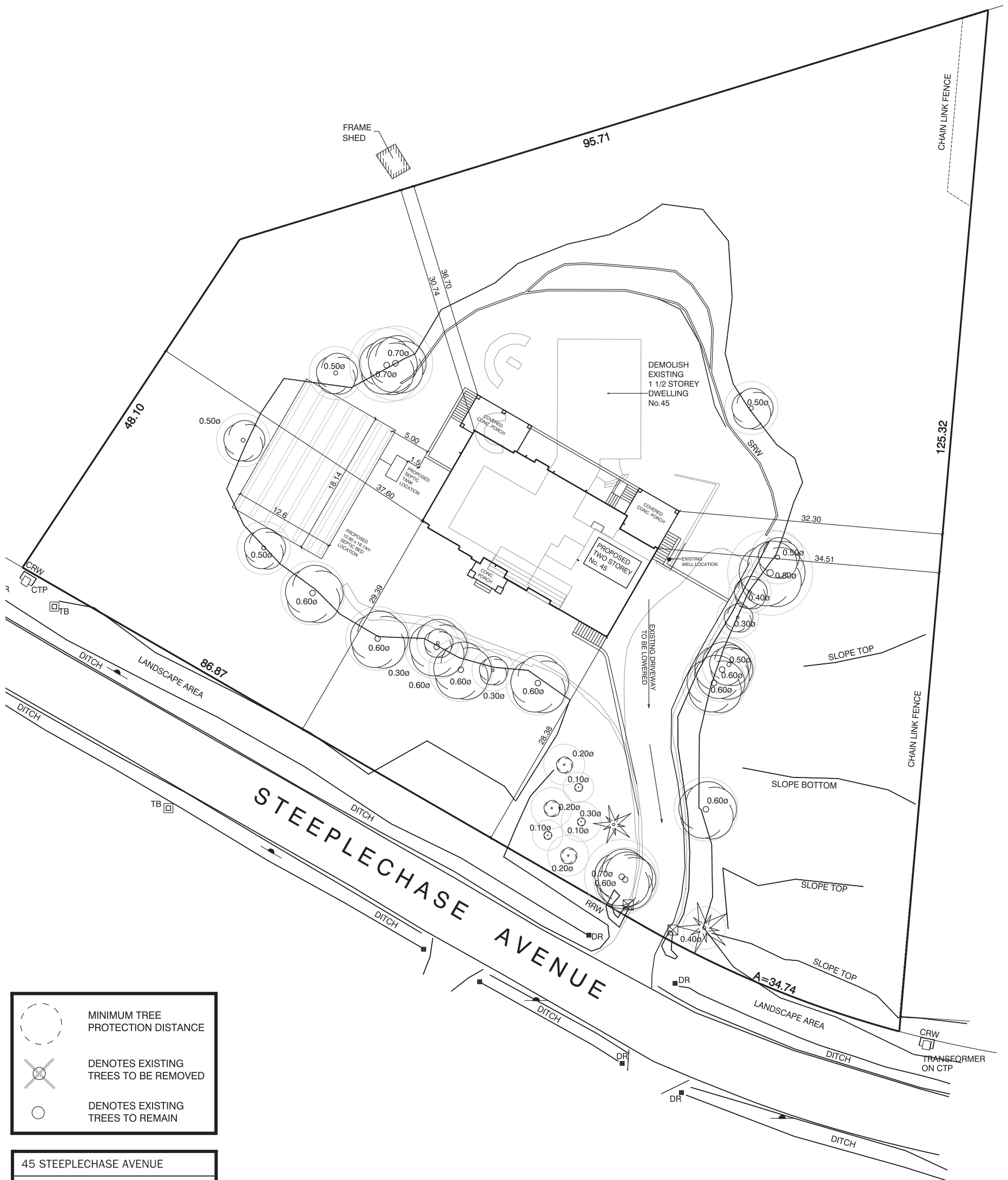


GRADING AND SERVICING
BY OTHERS



MINIMUM TREE PROTECTION DISTANCE

DENOTES EXISTING TREES TO BE REMOVED

DENOTES EXISTING TREES TO REMAIN

| 45 STEEPLCHASE AVENUE | |
|---------------------------------------|---------------------|
| TOTAL LOT AREA | 8683.60 m2 |
| MAXIMUM COVERAGE | 1302.54 m2 (15.0.%) |
| PROPOSED COVERAGE (INCLUDING PORCHES) | 427.82 m2 (4.93%) |

TOWN OF AURORA
PLANNING & DEVELOPMENT SERVICES
BUILDING DIVISION

PERMIT NO.: PR20240349 DATE: Jul. 4, 2024

APPROVED BY: Taylor Cole
PRELIMINARY ZONING REVIEW

BCIN INFORMATION

The undersigned has reviewed and takes responsibility for this design, and has the qualifications and meets the requirements set out in the Ontario Building Code to be a designer.

QUALIFICATION INFORMATION

Required unless design is exempt under subsections 3.2.4. and 3.2.5. of Division C of the Ontario Building Code.

Dean Ruffolo 23640
NAME SIGNATURE BCIN

REGISTRATION INFORMATION

Required unless design is exempt under subsections 3.2.4. and 3.2.5. of Division C of the Ontario Building Code.

Dero Building Designs Consultants Inc. 28051
FIRM NAME BCIN

This Certification is NOT valid unless accompanied by an original signature.

NORTH



SITE PLAN SHOWING
PROPOSED TWO STOREY

45 STEEPLCHASE AVENUE
TOWN OF AURORA, ON.
REGIONAL MUNICIPALITY OF YORK

R.P.

ANIX DEVELOPMENTS



20 Wertheim Crt. U13
Richmond Hill, Ontario
L4B 3A8
T 905 889 8434
F 905 889 8435
info@derodesigns.com
www.derodesigns.com

DATE : APR 15, 2024

SCALE : 1: 500

METRIC : ALL DIMENSIONS SHOWN ON THIS PLAN
ARE IN METERS AND MAY BE CONVERTED TO FEET
BY DIVIDING BY 0.3048

SP1



45 STEEPLCHASE AVENUE TOWN OF AURORA

Schedule 1: Designer Information

Use one form for each individual who reviews and takes responsibility for design activities with respect to the project.

| | | | |
|---|------------------------------------|-------------------------------|-----------------------------|
| A. Project Information | | | |
| Building number, street name 45 STEEPLCHASE AVENUE | | | |
| Municipality AURORA | Postal code | Plan number other description | Unit no. Lot/coo. |
| B. Individual who reviews and takes responsibility for design activities | | | |
| Name DEAN RUFFOLO | | Firm DERO BUILDING DESIGNS | |
| Street address 20 WERTHEIM COURT | | Unit no. 13 | Lot/coo. |
| Municipality RICHMOND HILL | Postal code L4B 3A8 | Province ONTARIO | E-mail info@derodesigns.com |
| Telephone number (905) 889-8434 | Business Fax number (905) 889-8435 | Cell number | |
| C. Design activities undertaken by individual identified in Section B. (Building Code Table 3.5.2.1. of Division C) | | | |
| <input checked="" type="checkbox"/> House <input type="checkbox"/> HVAC – House <input type="checkbox"/> Building Structural | | | |
| <input type="checkbox"/> Small Buildings <input type="checkbox"/> Building Services <input type="checkbox"/> Plumbing – House | | | |
| <input type="checkbox"/> Large Buildings <input type="checkbox"/> Detection, Lighting and Power <input type="checkbox"/> Plumbing – All Buildings | | | |
| <input type="checkbox"/> Complex Buildings <input type="checkbox"/> Fire Protection <input type="checkbox"/> On-site Sewage Systems | | | |
| Description of designer's work PROPOSED TWO STOREY | | | |
| D. Declaration of Designer | | | |
| I, DEAN RUFFOLO, declare that (choose one as appropriate): (print name) | | | |
| <input checked="" type="checkbox"/> I review and take responsibility for the design work on behalf of a firm registered under subsection 3.2.4. of Division C, of the Building Code. I am qualified, and the firm is registered, in the appropriate classes/categories. Individual BCIN: 23840 Firm BCIN: 28051 | | | |
| <input type="checkbox"/> I review and take responsibility for the design and am qualified in the appropriate category as an "other designer" under subsection 3.2.5. of Division C, of the Building Code. Individual BCIN: _____ Basis for exemption from registration: _____ | | | |
| <input type="checkbox"/> The design work is exempt from the registration and qualification requirements of the Building Code. Basis for exemption from registration and qualification: _____ | | | |
| I certify that: 1. The information contained in this schedule is true to the best of my knowledge. 2. I have submitted this application with the knowledge and consent of the firm. 11/16/23 Date Signature of Designer | | | |

STATISTIC SCHEDULE

FLOOR AREA INFORMATION

| | |
|--------------------|--------------------------|
| FIRST FLOOR AREA | 3805 SQ. FT. (353.50 m2) |
| SECOND FLOOR AREA | 1875 SQ. FT. (174.19 m2) |
| TOTAL AREA | 5680 SQ. FT. (527.69 m2) |
| FIN. BASEMENT AREA | 2770 SQ. FT. (257.34 m2) |
| GARAGE AREA | 1885 SQ. FT. (175.12 m2) |

COVERAGE INFORMATION

| | |
|--------------------------|----------------------------------|
| MAIN HOUSE | 3850 SQ. FT. (357.68 m2) |
| FRONT CONC. PORCH | 115 SQ. FT. (10.68 m2) |
| REAR CONC. PORCH (RIGHT) | 320 SQ. FT. (29.73 m2) |
| REAR CONC. PORCH (LEFT) | 320 SQ. FT. (29.73 m2) |
| TOTAL COVERAGE | 4605 SQ. FT. (427.82 m2) (4.93%) |
| ROOF HEIGHT | 32'-8" (9.96 m) |


DEAN RUFFOLO M.A.A.T.O
DERO BUILDING DESIGNS CONSULTANTS INC.

NOTES :

The contractor must check and verify all dimensions and report any discrepancies to the designer before commencing construction.

Do not scale drawings.

Joists to be at 12" O.C. where supporting ceramic tile.

BCIN INFORMATION :

The undersigned has reviewed and takes responsibility for this design, and has the qualifications and meets the requirements set out in the Ontario Building Code to be a designer.

QUALIFICATION INFORMATION
Required unless design is exempt under subsections 3.2.4. and 3.2.5. of Division C of the Ontario Building Code.

Dean Ruffolo 23840

NAME BCIN


SIGNATURE

REGISTRATION INFORMATION
Required unless design is exempt under subsections 3.2.4. and 3.2.5. of Division C of the Ontario Building Code.

Derobuildingdesigns.com 28051

FIRM NAME BCIN

This Certification is NOT valid unless accompanied by an original signature.

| NO. | REVISION | DATE |
|-----|----------|------|
|-----|----------|------|



PROPOSED
TWO STOREY
45 STEEPLCHASE AVE.
AURORA, ON.

FOR

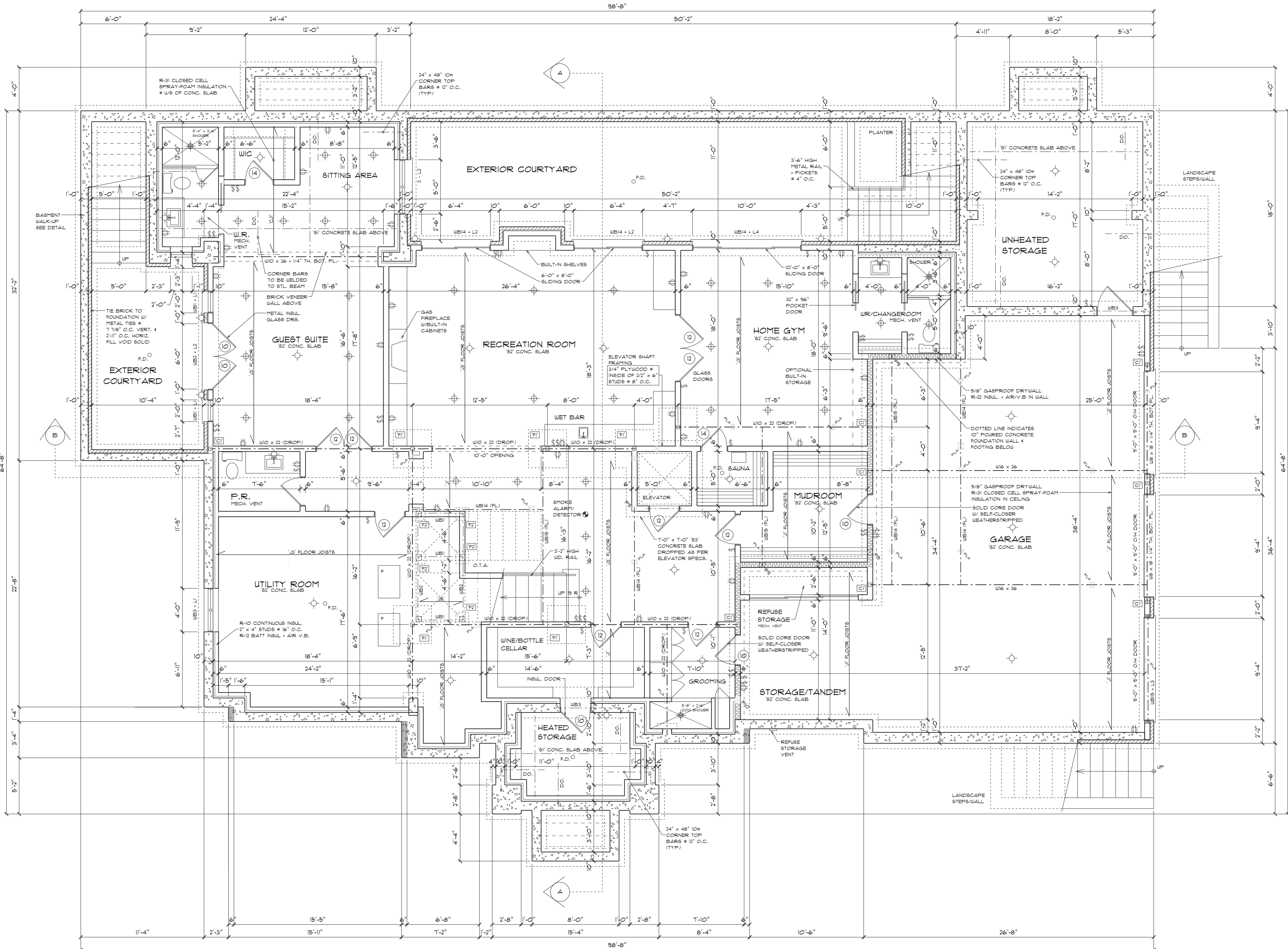
ANIX
DEVELOPMENTS

DERO
BUILDING
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Richmond Hill, Ontario
L4B 3A8

T 905 889 8434
F 905 889 8435

info@derodesigns.com
www.derodesigns.com

| | |
|----------------------|--------------------|
| DRAWN BY D.R. | CHECKED BY D.R. |
| DATE APR 15, 2024 | DWG. NO. A |



BASEMENT PLAN

| LEGEND | |
|--------|--------------------------------|
| | SOLID BEARING/POINT LOAD ABOVE |

| CONCRETE SLAB LEGEND | |
|--|---|
| 1' 8" CONCRETE SLAB 38 MPa (5.075 PSI) 5/8" AIR ENTRAINMENT 15m BARS @ 6" O.C. BOTH WAYS BOT. MIN. 1" CONC. COVER | 2' 3" CONCRETE SLAB 32 MPa (4650 PSI) 5/8" AIR ENTRAINMENT 4" GRAVEL |
| 3' 8" CONCRETE SLAB W/5m BARS @ 12" O.C. BOTH WAYS SLAB TO BE DROPPED AS PER MANUFACTURER'S SPECIFICATIONS | 5' 1" CONCRETE SLAB 32 MPa (4650 PSI) 5/8" AIR ENTRAINMENT 6" x 6" WIRE MESH ON 6" COMPACTED GRAVEL |

| STEEL LINTEL SCHEDULE | |
|--|--|
| L1 - 3 1/2" x 3 1/2" x 5/16" (6'-0" MAX. SPAN) (4" BRG.) | |
| L2 - 5" x 3 1/2" x 5/16" (6'-0" MAX. SPAN) (6" BRG.) | |
| L3 - 6" x 4" x 3/8" (10'-0" MAX. SPAN) (8" BRG.) | |
| L4 - 7" x 4" x 1/2" (12'-0" MAX. SPAN) (8" BRG.) | |
| L5 - 8" x 4" x 3/8" (14'-0" MAX. SPAN) (10" BRG.) | |
| L6 - 9" x 4" x 5/8" (16'-0" MAX. SPAN) (12" BRG.) | |
| MA - MASONRY ARCH | |
| RFCA - REINFORCED PRECAST CONC. ARCH | |

| WOOD LINTEL/BEAM SCHEDULE | |
|------------------------------|-------------------------------|
| WB1 - 2'2" x 8" SFR. NO. 2 | WB9 - 1'1 3/4" x 11 7/8" LVL |
| WB2 - 3'2" x 8" SFR. NO. 2 | WB10 - 2'1 3/4" x 11 7/8" LVL |
| WB3 - 2'2" x 10" SFR. NO. 2 | WB11 - 3'1 3/4" x 11 7/8" LVL |
| WB4 - 3'2" x 10" SFR. NO. 2 | WB12 - 4'1 3/4" x 11 7/8" LVL |
| WB5 - 4'2" x 10" SFR. NO. 2 | WB13 - 1'1 3/4" x 14" LVL |
| WB6 - 2'2" x 12" SFR. NO. 2 | WB14 - 2'1 3/4" x 14" LVL |
| WB7 - 3'2" x 12" SFR. NO. 2 | WB15 - 3'1 3/4" x 14" LVL |
| WB8 - 4'2" x 12" SFR. NO. 2 | WB16 - 4'1 3/4" x 14" LVL |
| WB9 - 1'1 3/4" x 9 1/2" LVL | WB17 - 1'1 3/4" x 9 1/2" LVL |
| WB10 - 2'1 3/4" x 9 1/2" LVL | WB18 - 2'1 3/4" x 9 1/2" LVL |
| WB11 - 3'1 3/4" x 9 1/2" LVL | WB19 - 3'1 3/4" x 9 1/2" LVL |
| WB12 - 4'1 3/4" x 9 1/2" LVL | WB20 - 4'1 3/4" x 9 1/2" LVL |

NOTE - ALL LVL SHALL BE WESTFRAMER (2.0E 3100) LVL OR EQUIV.

| STRUCTURAL COLUMN LEGEND | |
|--|--|
| C1 - H56 4" x 4" x 1/4" TH. STEEL PIPE COLUMN | |
| C2 - H56 4" x 4" x 1/4" TH. STEEL PIPE COLUMN FOR DOUBLE-VOLUME WALLS | |
| C3 - H56 4" x 4" x 1/4" STL COLUMN W/10" x 10" x 3/4" BOT. FL. CH. 2 x 5/8" ADS ON 42" x 42" x 18" PAD FOOTING REIN. W/20m BARS @ 12" O.C. BOTH WAYS | |
| C4 - 6" x 6" WOOD POST ANCHORED TO 6" x 6" x 6" DP. P.C. CURB ON 18" x 18" x 8" DP. P.C. PAD FOOTING | |

| STRUCTURAL POST LEGEND | |
|--|----------------------------|
| PB1 - 5 1/4" x 5 1/4" 2.0 PBL FULL HEIGHT COLUMN AT "TALL WALLS" | |
| P2 - 1'2" x 4" SFR. NO. 2 | P6 - 1'2" x 6" SFR. NO. 2 |
| P3 - 2'2" x 4" SFR. NO. 2 | P7 - 2'2" x 6" SFR. NO. 2 |
| P4 - 3'2" x 4" SFR. NO. 2 | P8 - 3'2" x 6" SFR. NO. 2 |
| P5 - 4'2" x 4" SFR. NO. 2 | P9 - 4'2" x 6" SFR. NO. 2 |
| P6 - 5'2" x 4" SFR. NO. 2 | P10 - 5'2" x 6" SFR. NO. 2 |

| FLOOR JOIST LEGEND | |
|---|--|
| J1 - 11 7/8" DP, N-40x @ 16" O.C. W - 3/4" T & G SUBFLOOR NAILED & GLED | |
| J2 - 11 7/8" DP, N-40x @ 16" O.C. W - 3/4" T & G SUBFLOOR NAILED & GLED | |
| J3 - 11 7/8" DP, N-80 @ 16" O.C. W - 3/4" T & G SUBFLOOR NAILED & GLED | |
| J4 - 11 7/8" DP, N-80 @ 12" O.C. W - 3/4" T & G SUBFLOOR NAILED & GLED | |
| J5 - 2" x 8" SFR. NO. 2 @ 16" O.C. W - 3/4" T & G SUBFLOOR NAILED & GLED | |

| CEILING JOIST LEGEND | |
|---|--|
| CJ1 - 1'2" DRYWALL CEILING ON 2" x 8" SFR. NO. 2 @ 16" O.C. | |

| CONVENTIONAL ROOF LEGEND | |
|---|--|
| R1 - CONVENTIONAL BUILT-UP ROOF OF 2" x 6" SFR. NO. 2 RAFTERS + CEILING JOISTS @ 16" O.C. | |
| R2 - CATHEDRAL CEILING ROOF FRAMING OF 2" x 8" SFR. NO. 2 RAFTERS @ 16" O.C. | |

| DOOR SCHEDULE | |
|-------------------------------------|--------------------------------------|
| 1 - 2'-0" x 7'-0" x 1 3/4" EXTERIOR | 10 - 2'-0" x 8'-0" x 1 3/4" EXTERIOR |
| 2 - 2'-8" x 7'-0" x 1 3/4" EXTERIOR | 11 - 2'-8" x 8'-0" x 1 3/4" EXTERIOR |
| 3 - 2'-0" x 7'-0" x 1 3/4" INTERIOR | 12 - 2'-0" x 8'-0" x 1 3/4" INTERIOR |
| 4 - 2'-8" x 7'-0" x 1 3/8" INTERIOR | 13 - 2'-8" x 8'-0" x 1 3/8" INTERIOR |
| 5 - 2'-4" x 7'-0" x 1 3/8" INTERIOR | 14 - 2'-4" x 8'-0" x 1 3/8" INTERIOR |
| 6 - 2'-4" x 7'-0" x 1 3/8" INTERIOR | 15 - 2'-4" x 8'-0" x 1 3/8" INTERIOR |
| 7 - 2'-0" x 7'-0" x 1 3/8" INTERIOR | 16 - 2'-0" x 8'-0" x 1 3/8" INTERIOR |
| 8 - 2'-0" x 7'-0" x 1 3/8" INTERIOR | 17 - 2'-0" x 8'-0" x 1 3/8" INTERIOR |
| 9 - 1'-6" x 7'-0" x 1 3/8" INTERIOR | 18 - 1'-6" x 8'-0" x 1 3/8" INTERIOR |

NOTES :

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Do not scale drawings.
Joists to be at 12" O.C. where supporting ceramic tile.

BCIN INFORMATION :

The undersigned has reviewed and takes responsibility for this design, and has the qualifications and meets the requirements set out in the Ontario Building Code to be a designer.

QUALIFICATION INFORMATION
Required unless design is exempt under subsections 3.2.4. and 3.2.5. of Division C of the Ontario Building Code.

Dean Ruffolo 23840
NAME
BCIN

Registration Information
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Dero Building Design Consultants Inc. 28051
FIRM NAME
BCIN

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Signature

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Dero Building Design Consultants Inc. 28051

FIRM NAME

BCIN



| DOOR SCHEDULE | | NOTE: DOORS MAY BE GLAZED REFER TO THE DRAWINGS | |
|---------------|---------------------------------|---|---------------------------------|
| 1 | 2'-0" x 7'-0" x 1 3/4" EXTERIOR | 10 | 2'-0" x 8'-0" x 1 3/4" EXTERIOR |
| 2 | 2'-0" x 7'-0" x 1 3/4" EXTERIOR | 11 | 2'-0" x 8'-0" x 1 3/4" EXTERIOR |
| 3 | 2'-0" x 7'-0" x 1 3/4" EXTERIOR | 12 | 2'-0" x 8'-0" x 1 3/4" INTERIOR |
| 4 | 2'-0" x 7'-0" x 1 3/8" INTERIOR | 13 | 2'-0" x 8'-0" x 1 3/8" INTERIOR |
| 5 | 2'-0" x 7'-0" x 1 3/8" INTERIOR | 14 | 2'-0" x 8'-0" x 1 3/8" INTERIOR |
| 6 | 2'-0" x 7'-0" x 1 3/8" INTERIOR | 15 | 2'-0" x 8'-0" x 1 3/8" INTERIOR |
| 7 | 2'-0" x 7'-0" x 1 3/8" INTERIOR | 16 | 2'-0" x 8'-0" x 1 3/8" INTERIOR |
| 8 | 2'-0" x 7'-0" x 1 3/8" INTERIOR | 17 | 2'-0" x 8'-0" x 1 3/8" INTERIOR |
| 9 | 2'-0" x 7'-0" x 1 3/8" INTERIOR | 18 | 2'-0" x 8'-0" x 1 3/8" INTERIOR |

FIRST FLOOR
PLAN

| | |
|-----------|----------|
| PROJ. NO. | DWG. NO. |
|-----------|----------|

The contractor must check and verify all dimensions and report any discrepancies to the designer before commencing construction.

Joists to be at 12" O.C. where supporting ceramic tile.

The undersigned has reviewed and takes responsibility for this design, and has the qualifications and meets the requirements set out in the Ontario Building Code to be a designer

Dean Ruffolo 23

NAME _____

[Signature]

Dero Building Designs Consultants Inc. 28

This Certification is NOT valid unless accompanied by an original signature.

STRUCTURAL STAMP



FOR
ANIX
DEVELOPMENTS

FRONT &
REAR
ELEVATIONS



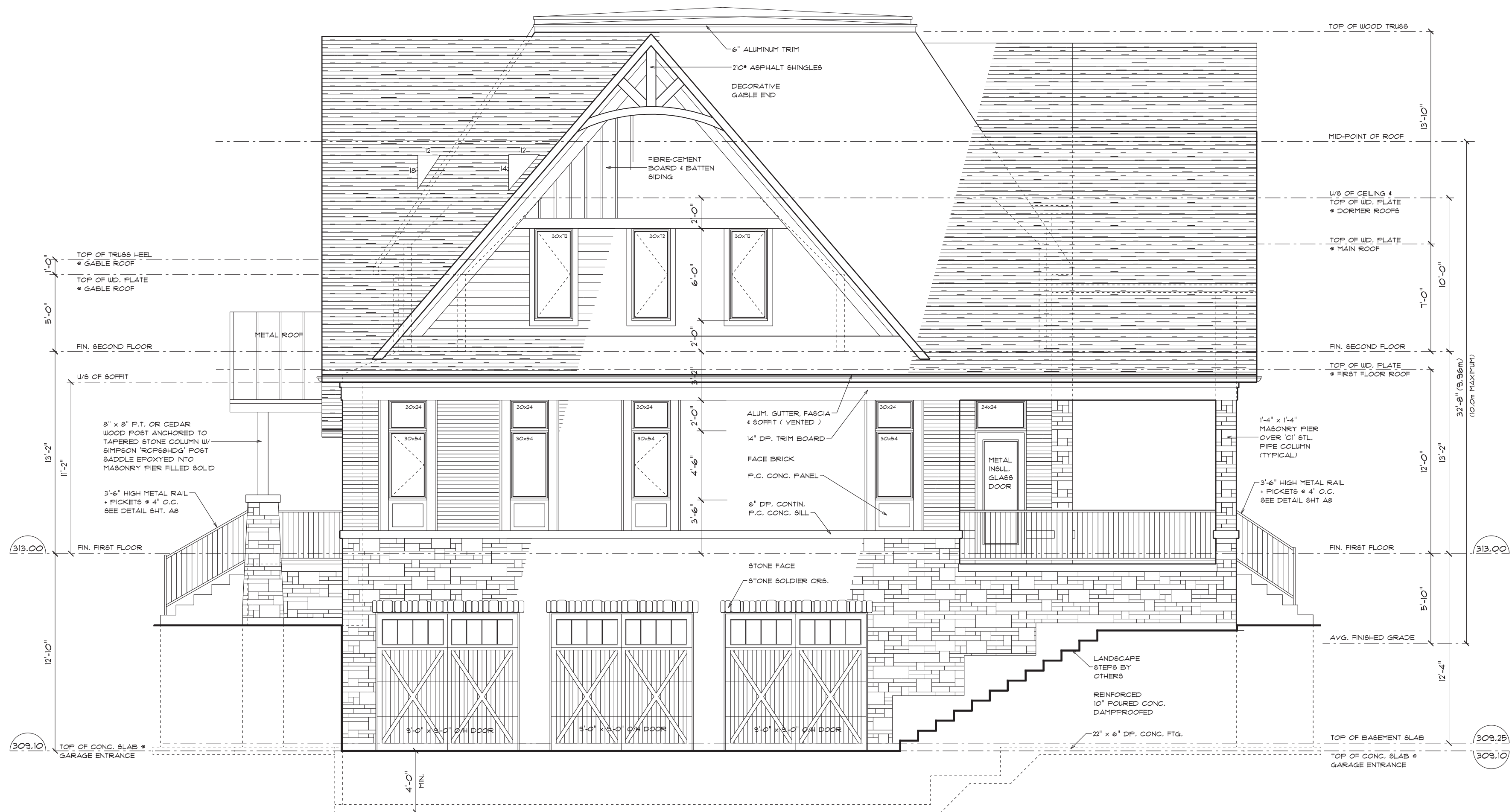
info@derodesigns.com
www.derodesigns.com

| | |
|----------------------|------------------------|
| DATE APR 15, 2024 | SCALE 3/16" = 1'-0" |
| DRAWN BY D.R. | CHECKED BY D.R. |
| PROJ. NO. | DWG. NO. |





LEFT-SIDE ELEVATION
 BUILDING FACE AREA - 1084.2 SQ. FT.
 UNPROTECTED OPENING AREA - 138.8 SQ. FT. (12.8%)
 NOTE - LIMITING DISTANCE CALCULATED USING GLASS AREA ONLY.



RIGHT-SIDE ELEVATION
 BUILDING FACE AREA - 1347.1 SQ. FT.
 UNPROTECTED OPENING AREA - 148.4 SQ. FT. (11.3%)
 NOTE - LIMITING DISTANCE CALCULATED USING GLASS AREA ONLY.

NOTES :

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Dean Ruffolo 23840
 NAME BCIN

Signature: *Dean Ruffolo*

REGISTRATION INFORMATION
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Dero Building Designs Consultants Inc. 28051
 FIRM NAME BCIN

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| NO. | REVISION | DATE |
|-----|----------|------|
| | | |

STRUCTURAL FRAME



PROPOSED
TWO STOREY
 45 STEEPCLECHASE AVE.
 AURORA, ON.

FOR
ANIX
DEVELOPMENTS

**LEFT-SIDE &
 RIGHT-SIDE
 ELEVATIONS**

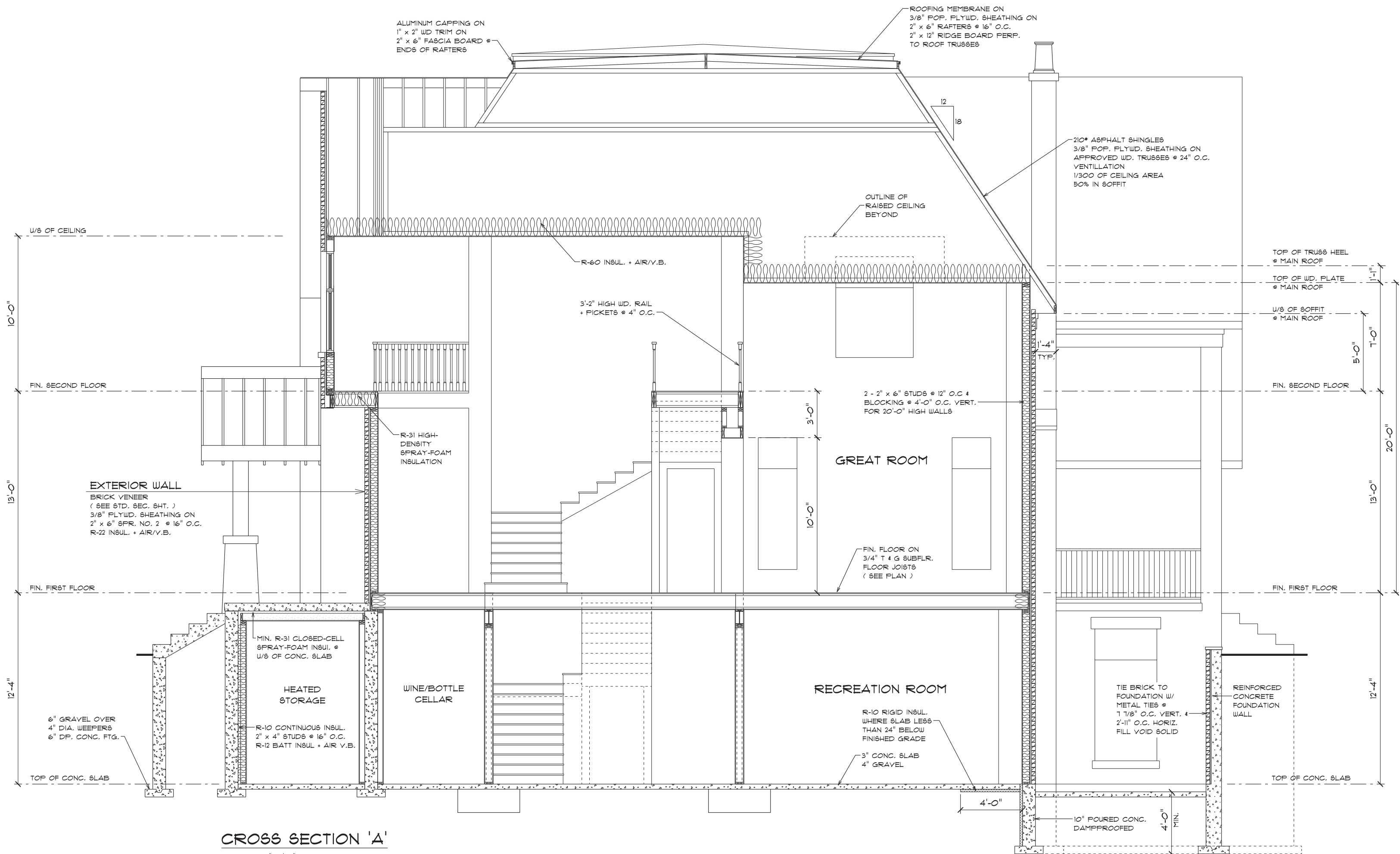


20 Wertheim Crt. U13
 Richmond Hill, Ontario
 L4B 3A8

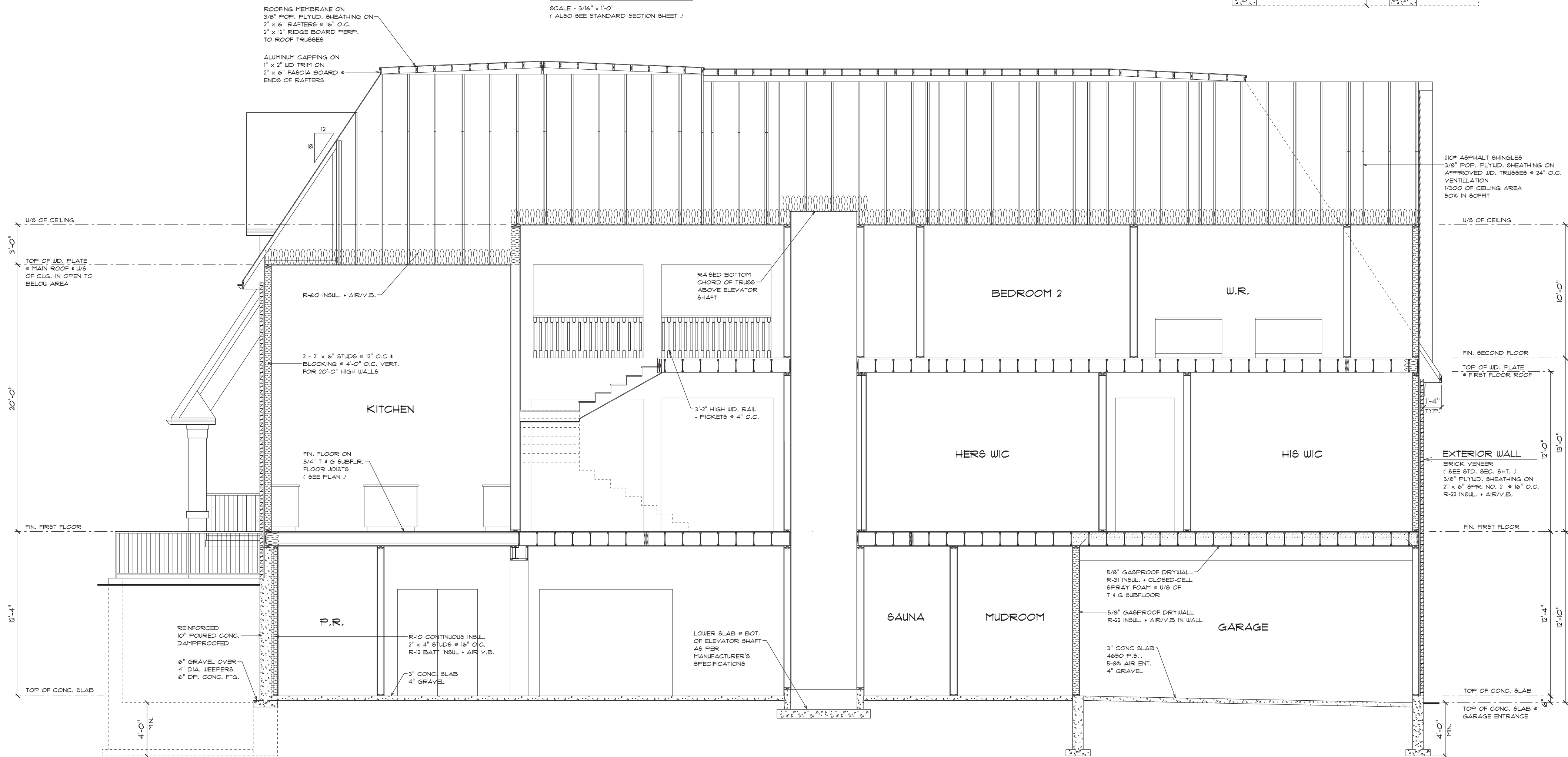
T 905 889 8434
 F 905 889 8435

info@derodesigns.com
 www.derodesigns.com

| | |
|----------------------|------------------------|
| DATE APR 18, 2024 | SCALE 3/16" = 1'-0" |
| DRAWN BY D.R. | CHECKED BY D.R. |
| PROJ. NO. | DWG. NO. A5 |



CROSS SECTION 'A'
SCALE - 3/16" = 1'-0"
(ALSO SEE STANDARD SECTION SHEET)



CROSS-SECTION 'B'
SCALE - 3/16" = 1'-0"
(ALSO SEE STANDARD SECTION SHEET)

NOTES :

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Dean Ruffolo 23640
NAME BCIN

Signature: *Dean Ruffolo*

REGISTRATION INFORMATION
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Dero Building Designs Consultants Inc. 28051
FIRM NAME BCIN

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| NO. | REVISION | DATE |
|-----|----------|------|
| | | |

STRUCTURAL FRAME



PROPOSED
TWO STOREY
45 STEEPLECHASE AVE.
AURORA, ON.

FOR
ANIX
DEVELOPMENTS

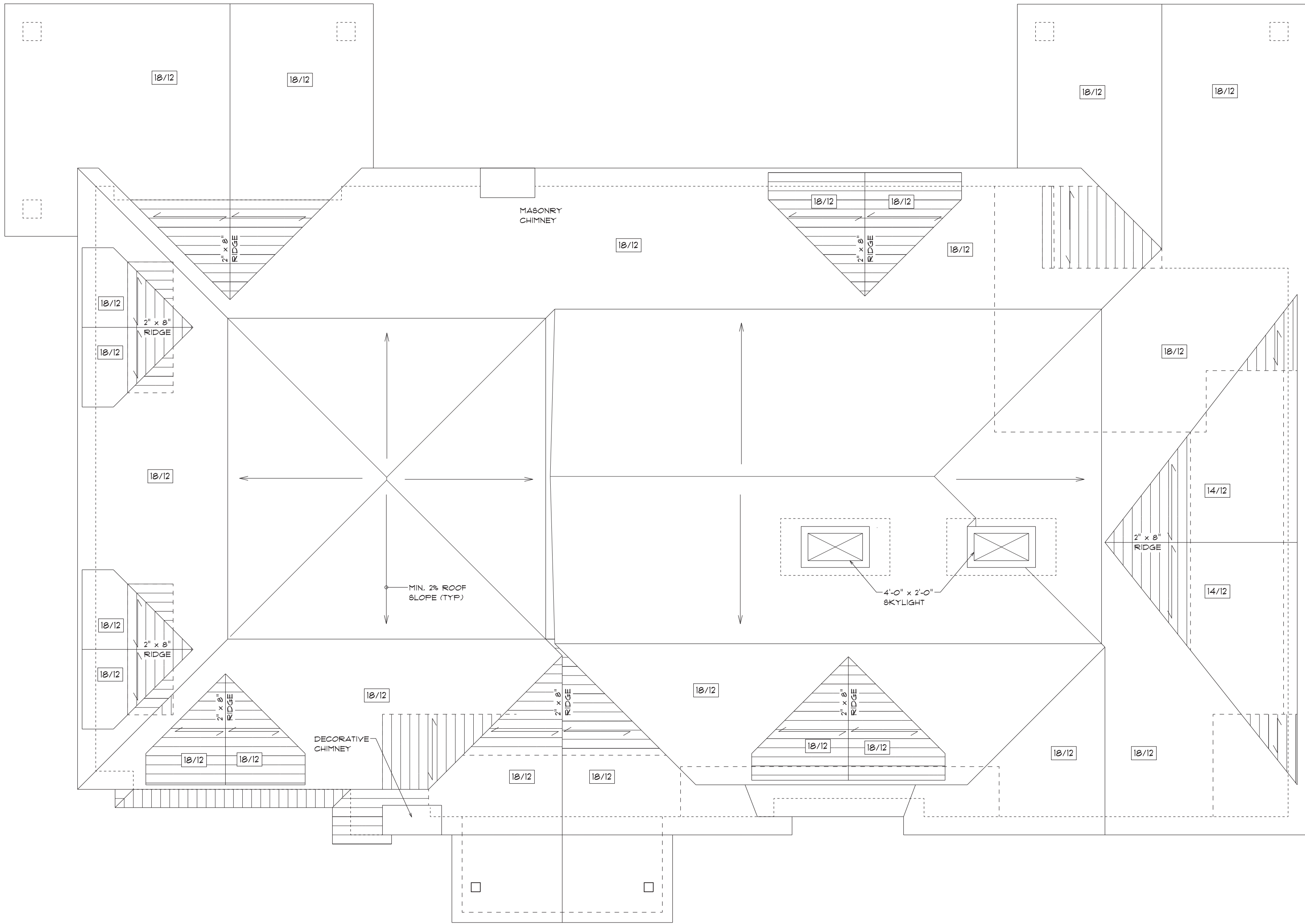
CROSS
SECTIONS
'A' & 'B'

DERO
BUILDING
DESIGNS
20 Wertheim Crt. U13
Richmond Hill, Ontario
L4B 3A8

T 905 889 8434
F 905 889 8435

info@derodesigns.com
www.derodesigns.com

| | |
|----------------------|------------------------|
| DATE APR 18, 2024 | SCALE 3/16" = 1'-0" |
| DRAWN BY D.R. | CHECKED BY D.R. |
| PROJ. NO. | DWG. NO. A6 |



ROOF PLAN SCALE - 3/16" = 1'-0"

NOTE - ROOF RAFTERS TO BE 2" x 6" @ 16" O.C. UNLESS OTHERWISE NOTED.

NOTES :

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Dean Ruffolo 23640

NAME BCIN

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FIRM NAME BCIN

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| NO. | REVISION | DATE |
|-----|----------|------|
| | | |

STRUCTURAL STAMP



PROPOSED

TWO STOREY

45 STEEPCLECHASE AVE.
AURORA, ON.

FOR

ANIX
DEVELOPMENTS

ROOF

PLAN

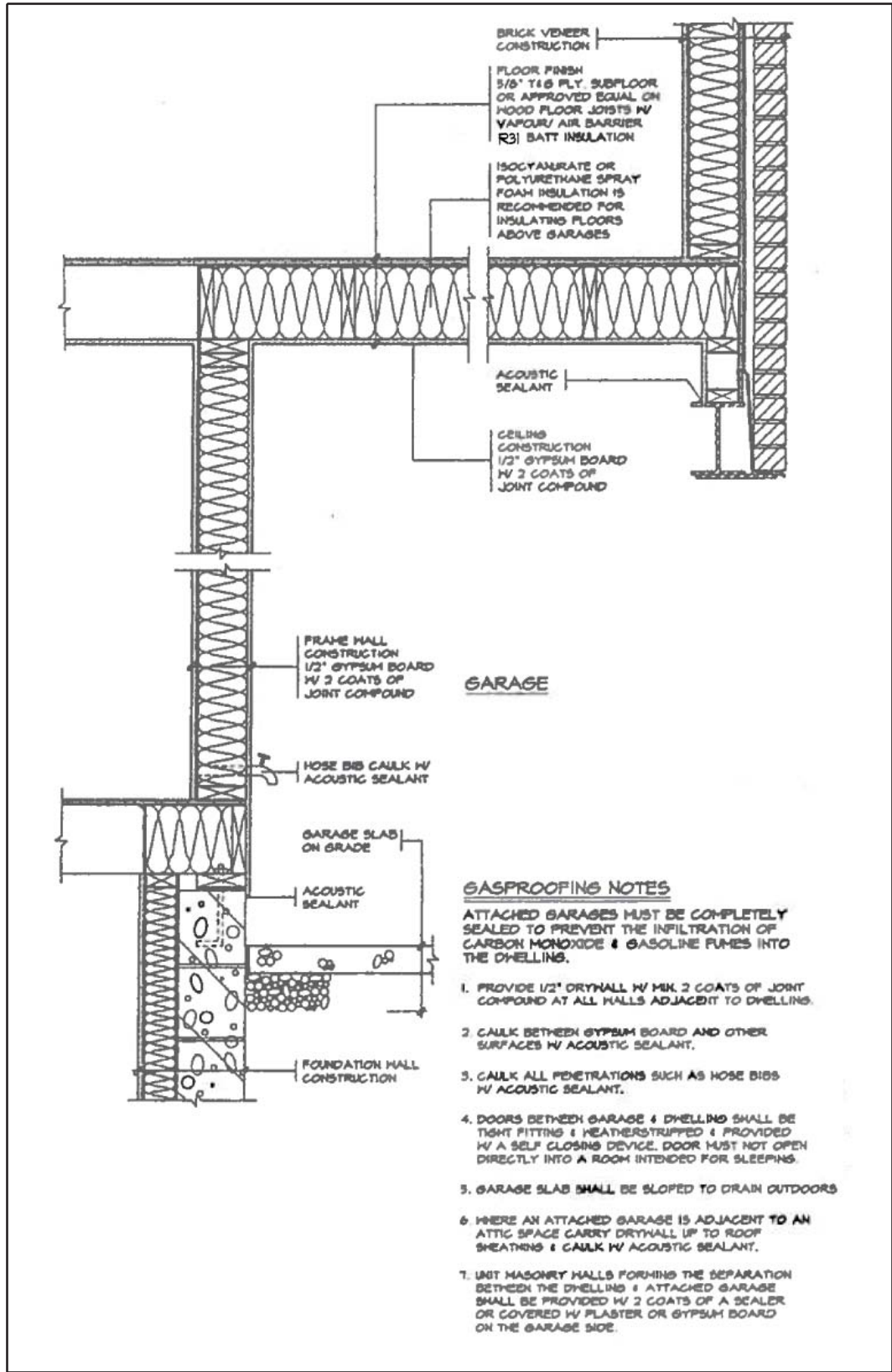


20 Wertheim Crt. U13
Richmond Hill, Ontario
L4B 3A8

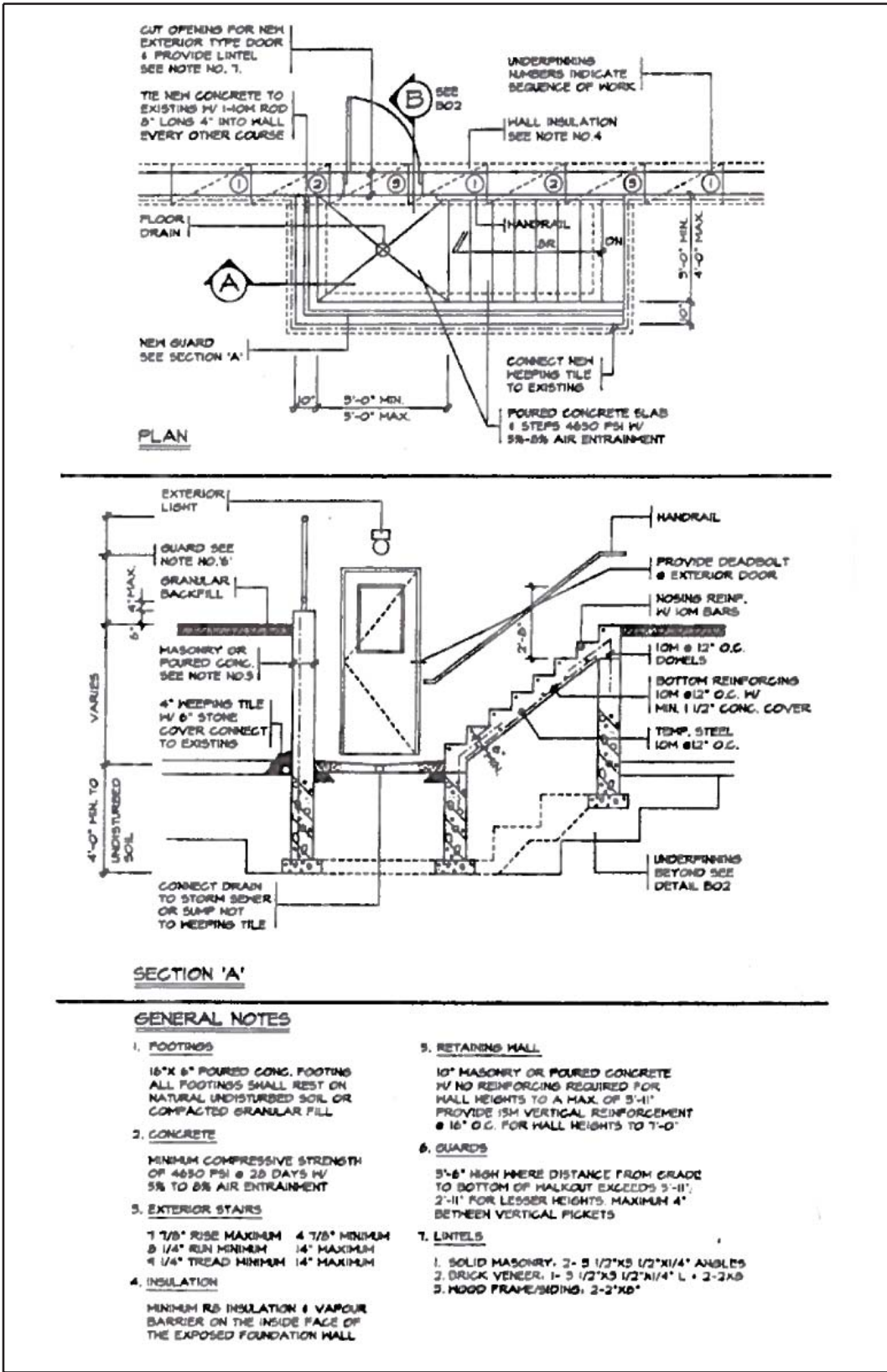
T 905 889 8434
F 905 889 8435

info@derodesigns.com
www.derodesigns.com

| | |
|----------------------|------------------------|
| DATE APR 18, 2024 | SCALE 3/16" = 1'-0" |
| DRAWN BY D.R. | CHECKED BY D.R. |
| PROJ. NO. | DWG. NO. A7 |



GARAGE GASPROOFING DETAIL
(N.T.S.)



BASEMENT WALK-OUT DETAIL
(N.T.S.)

1) STRUCTURAL COMPONENTS ARE DESIGNED FOR THE FOLLOWING LOADS IN POUNDS PER SQUARE FOOT.

| FRAMING | LIVE | DEAD |
|-----------------------|---------|-----------------------|
| ROOF TRUSS TOP CHORD | 26 | 10 |
| ROOF TRUSS BOT. CHORD | N/A | 5 |
| ROOF CONV. B/U | 26 | 10 |
| ATTIC CONV. B/U | 10 | 10 |
| WALL | 24 WIND | 60 STONE OR 20 STUCCO |
| SECOND FLOOR | 40 | 20 |
| FIRST FLOOR | 40 | 20 |
| BALCONYS AND DECKS | 50 | VARIES |

ASSUMED SOIL BEARING CAPACITY FOR FOOTING USED = 3000 PSF. GEOTECHNICAL SOILS INVESTIGATION/REPORT WAS NOT AVAILABLE AT THE TIME OF STRUCTURAL DESIGN. A GEOTECHNICAL ENGINEER SHALL CONFIRM/VERIFY SOIL CONDITIONS UNDER FOOTINGS PRIOR TO PLACEMENT. IF SOIL CONDITIONS AREA FOUND TO DIFFER FROM ASSUMED, THEN ADDITIONAL DESIGN AND/OR CONSTRUCTION COSTS AND/OR DELAYS MAY RESULT.

2) FOR ROOF FRAMING

RAFTERS TO BE 2" x 6" @ 16" O.C. #2 SPF UNLESS NOTED ON ARROW (U/N) RIDGES, HIPs AND VALLEYS TO BE 1-2"x10" #2 SPF U/N. POSTS INDICATED BY SMALL SQUARE TO BE 2-2"x4" UP TO 6'-0" LONG. 3-2"x4" UP TO 10'-0", 3-2"x6" UP TO 14'-0" DOWN TO SUPPORT BELOW. NAIL WITH 2-3 1/2" AT 18" O.C. OR 2-3" AT 12" O.C. (4000 LBS.). KNEEWALLS (K.W.) TO BE 2"x4" AT 16" O.C. WITH 2"x4" RIBBONS AT 4'-0" O.C. TIE WITH CEILING WHEN SLOPED FOR WALLS OVER 9'-0" HIGH USE 2"x6" STUDS AT 16" O.C. CEILING JOISTS TO BE 2"x6" AT 16" O.C. #2 SPF. U/N.

3) FLOOR JOISTS TO BE 11 7/8" TJ AT 16" O.C. U/N WITH BRIDGING AT MID. SPAN.

4) LVL TO BE 2665 F - 2E MINIMUM.

5) STRUCTURAL STEEL TO BE A401.12-350W EXCEPT PIPE COLUMNS WHICH MAY BE A-36 MINIMUM.

6) FASTEN LAMINATIONS IN COLUMNS AND BEAMS WITH 2-3 1/2" AT 18" O.C.

7) WIND LOAD DIAPHRAGM IN WALLS

EXTERIOR WALLS FROM FOUNDATION TO SECOND FLOOR, PLUS INTERIOR GARAGE WALLS, PLUS WALLS MARKED B/U ON PLANS MUST HAVE 1/2" PLYWOOD ON ONE SIDE WITH ALL EDGES NAILED WITH 8D (2 1/2" COMMON) AT 3" O.C. (CAPACITY 450 PLF.). USE 2"x4" FLAT BETWEEN STUDS. CONNECT TOP AND BOTTOM OF WALL WITH 3" COMMON AT 5" O.C. OR 1/2" DIA. ANCHORS AT 32" O.C. SEE PLANS FOR SIMPSON HOLD-DOWNS (PHD OR HD6) 1/8" DIA. x 16" EMBEDDED IN CONCRETE AND 2-7/8" DIA. OR 18-1/4" DIA. x3" WOOD SCREWS THROUGH OR INTO 3 STUDS MIN. (5000 LBS.).

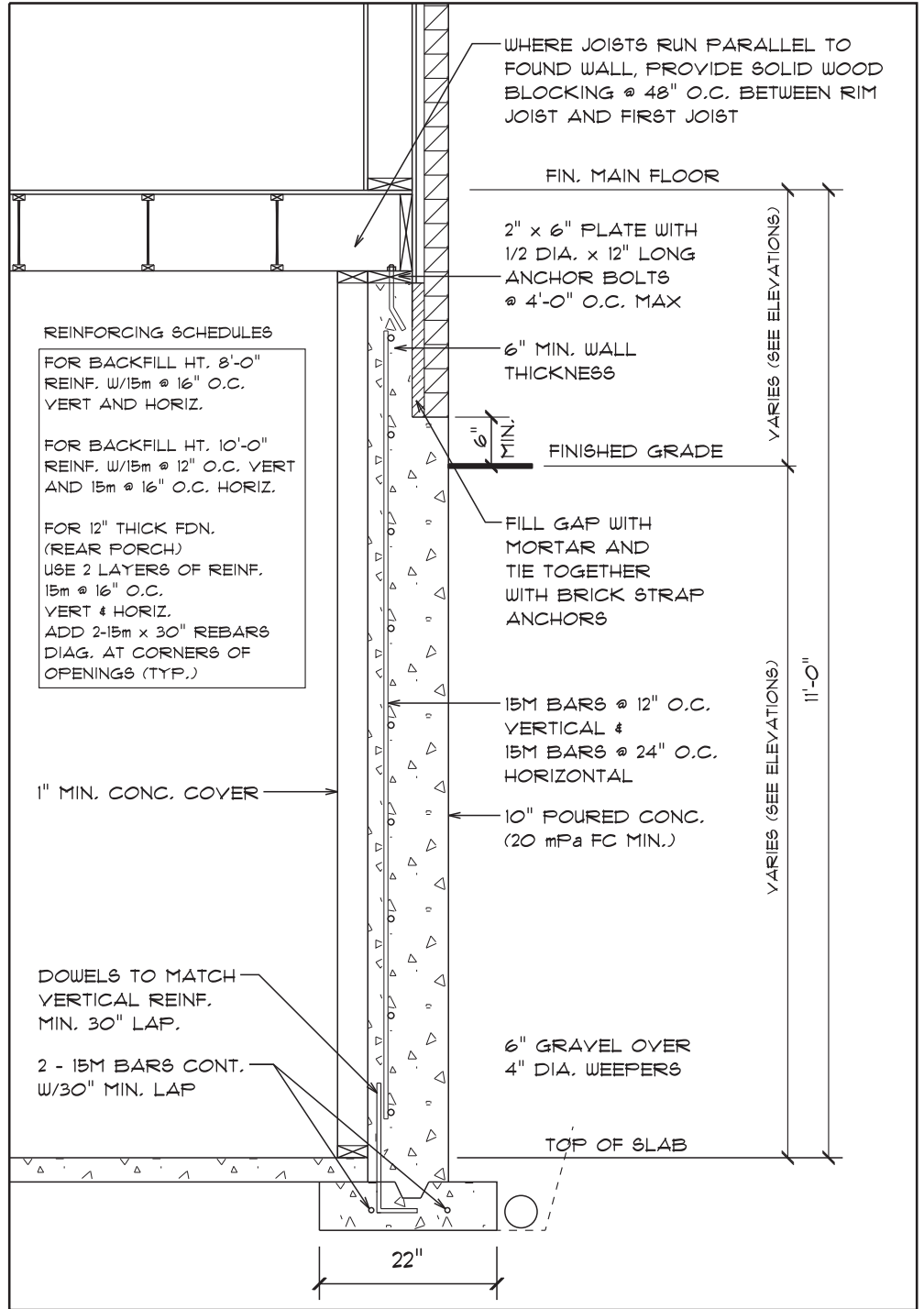
8) ANCHORAGE FOR WIND UPLIFT (15 PSF) AT EACH SUPPORT

FOR SMALL BEAMS AND RAFTERS USE 3-3 1/4" TOENAILS. FOR WOOD BEAMS OF 3/2"x10" AND LARGER USE 3-3 1/4" TOENAILS AND SIMPSON H2.5 (8-8D NAILS). FOR LVL IN ROOF USE 4-3 1/4" TOENAILS. AND SIMPSON PHD2 OR HD2 (5/8" DIA. BOLT) TO COLUMN AND SECOND FLOOR FRAMING. ALTERNATIVE FOR PHD USE STRAP 3"x16" GA. WITH 42-16D NAILS (SIMPSON MST C40)

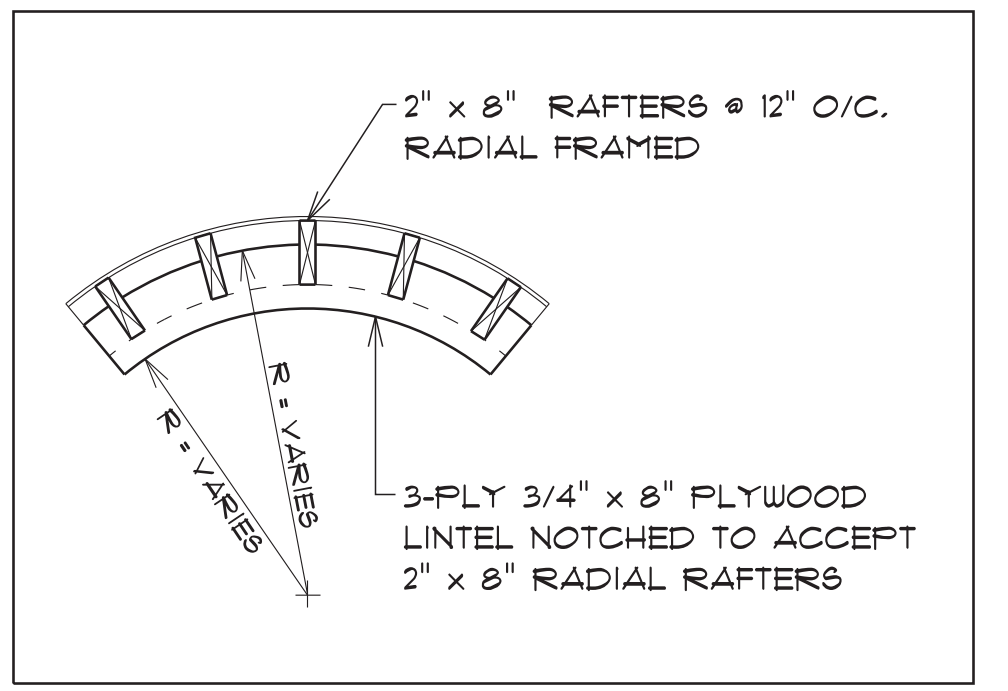
9) SHOP AND ERECTION DRAWINGS FOR STRUCTURAL STEEL, PRECAST CONCRETE, OPEN WEB STEEL JOISTS, GUARDS, HANDRAILS, STAIRS, FIRE ESCAPES, ENGINEERED FLOOR FRAMING PRODUCTS AND SYSTEMS (FOR EXAMPLE: T.J.I.'S, A.J.'S, L.V.L.'S, ETC) SHALL BE:

- 1) DESIGNED IN ACCORDANCE WITH THE ONTARIO BUILDING CODE.
- 2) SEALED BY A REGISTERED PROFESSIONAL ENGINEER, ONTARIO
- 3) SUBMITTED TO BELBETH ENGINEERING INC. FOR REVIEW PRIOR TO FABRICATION OR ERECTION.

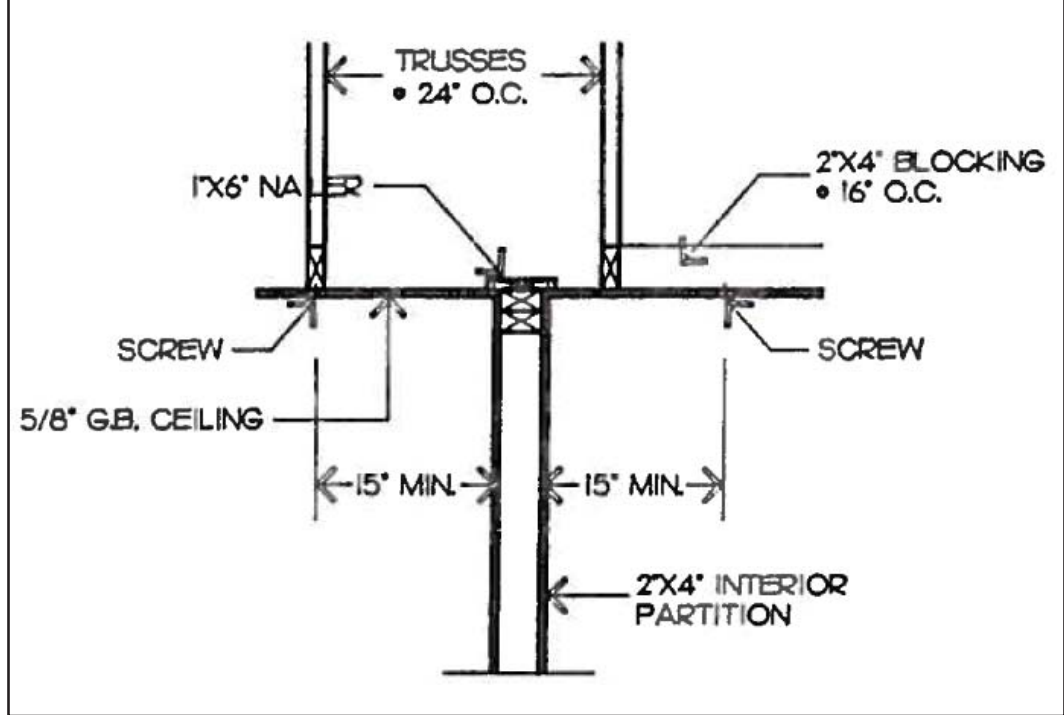
TYPICAL STRUCTURAL NOTES
(N.T.S.)



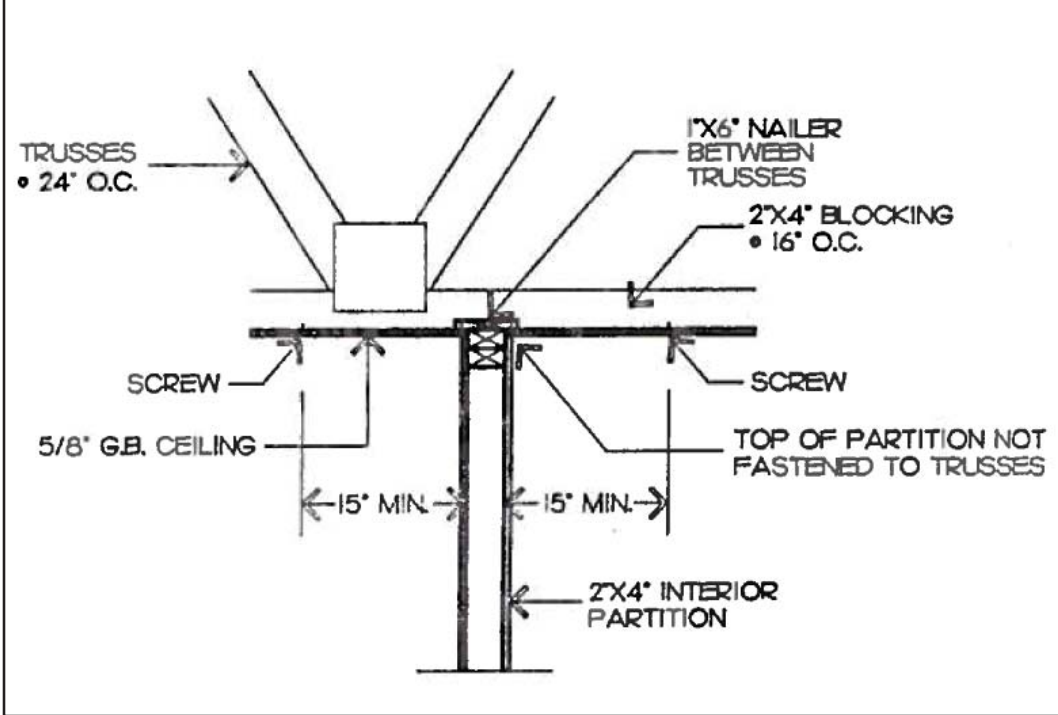
REINFORCED CONC. FOUNDATION WALL
(N.T.S.)



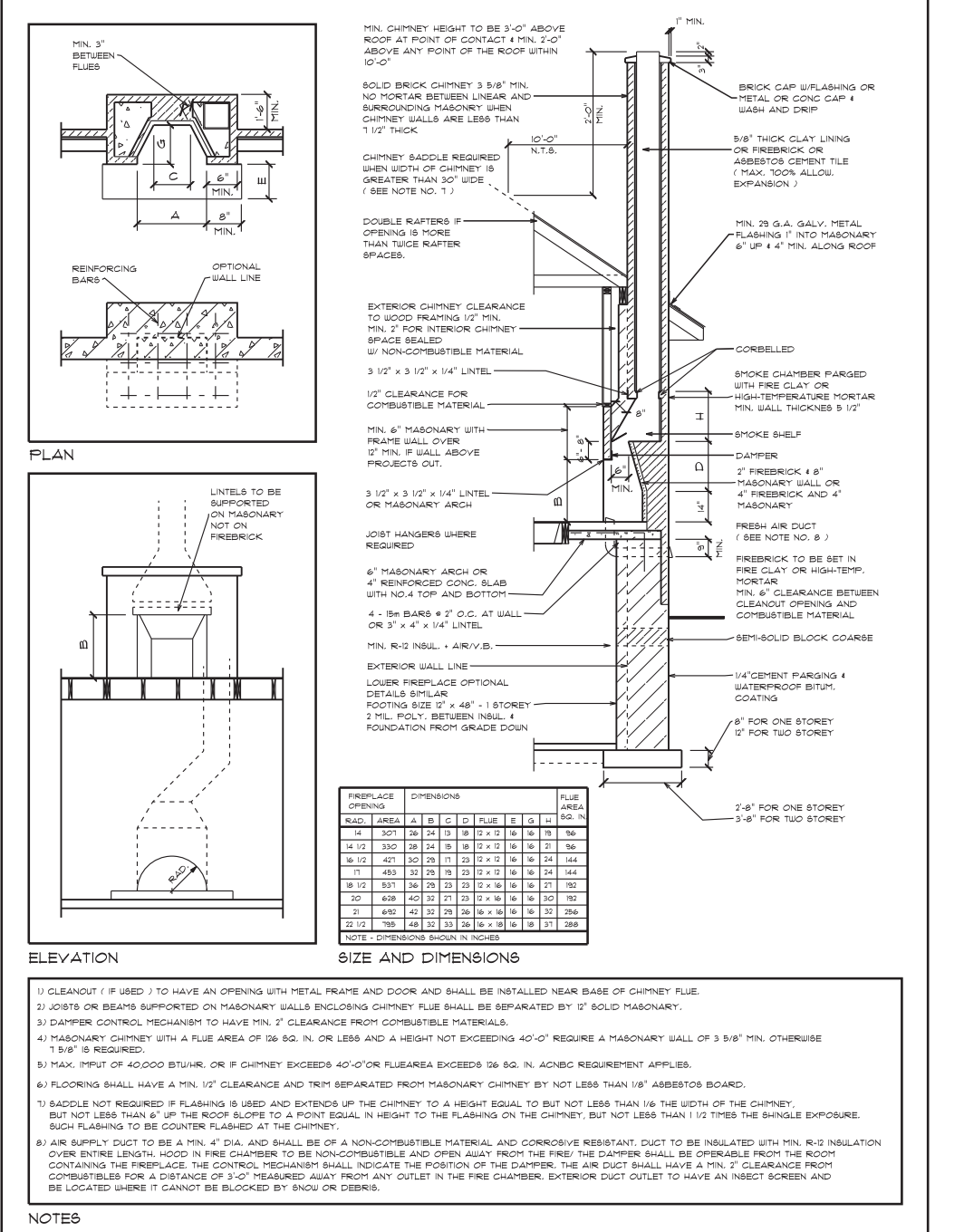
CURVED PLYWOOD LINTEL
(N.T.S.)



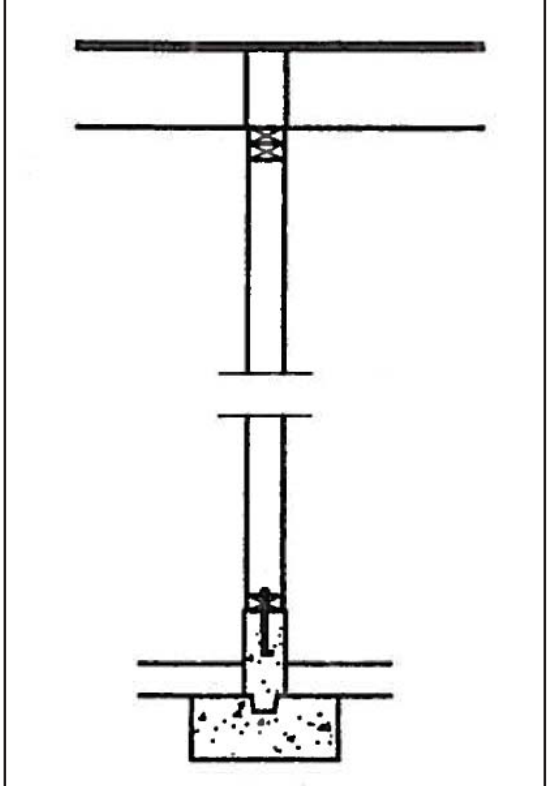
PARTITIONS PARALLEL TO TRUSSES
(N.T.S.)



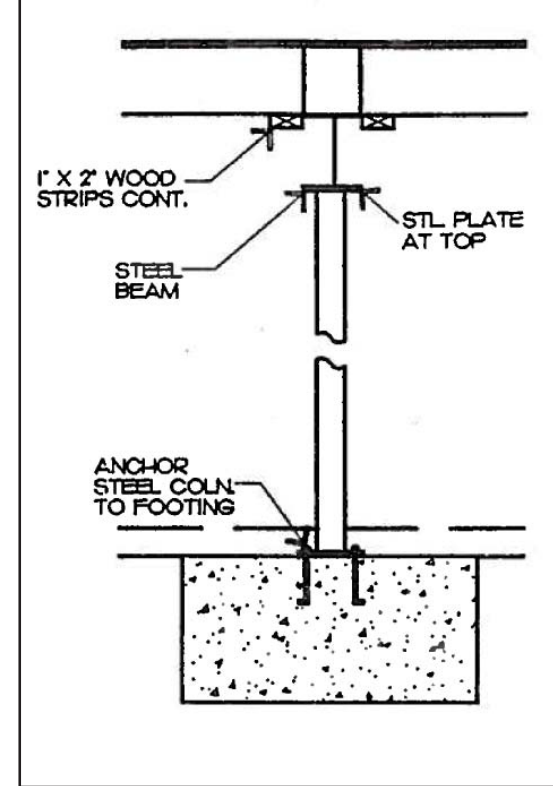
PARTITIONS AT 90 DEGREES TO TRUSSES
(N.T.S.)



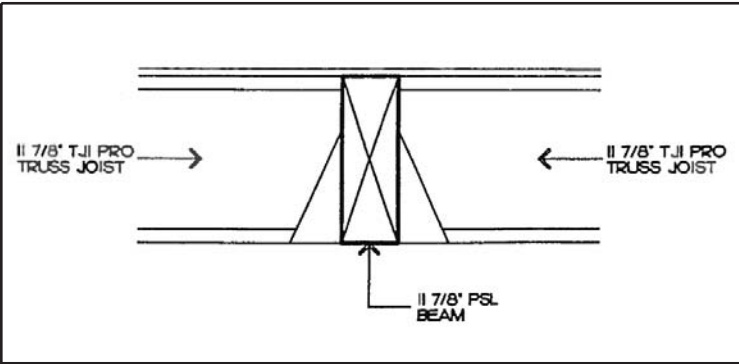
WOOD-BURNING FIREPLACE DETAIL
(N.T.S.)



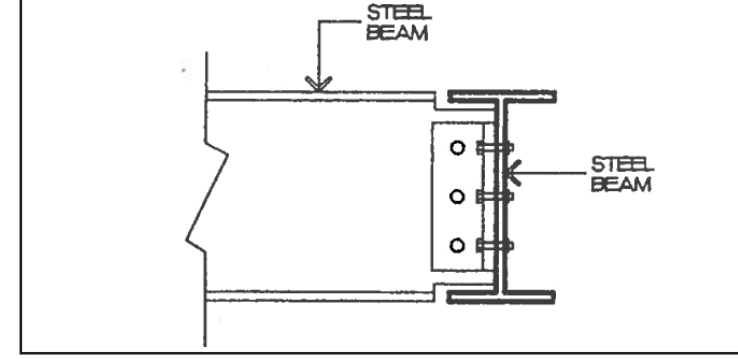
SECTION AT BEARING STUD PARTITION
(N.T.S.)



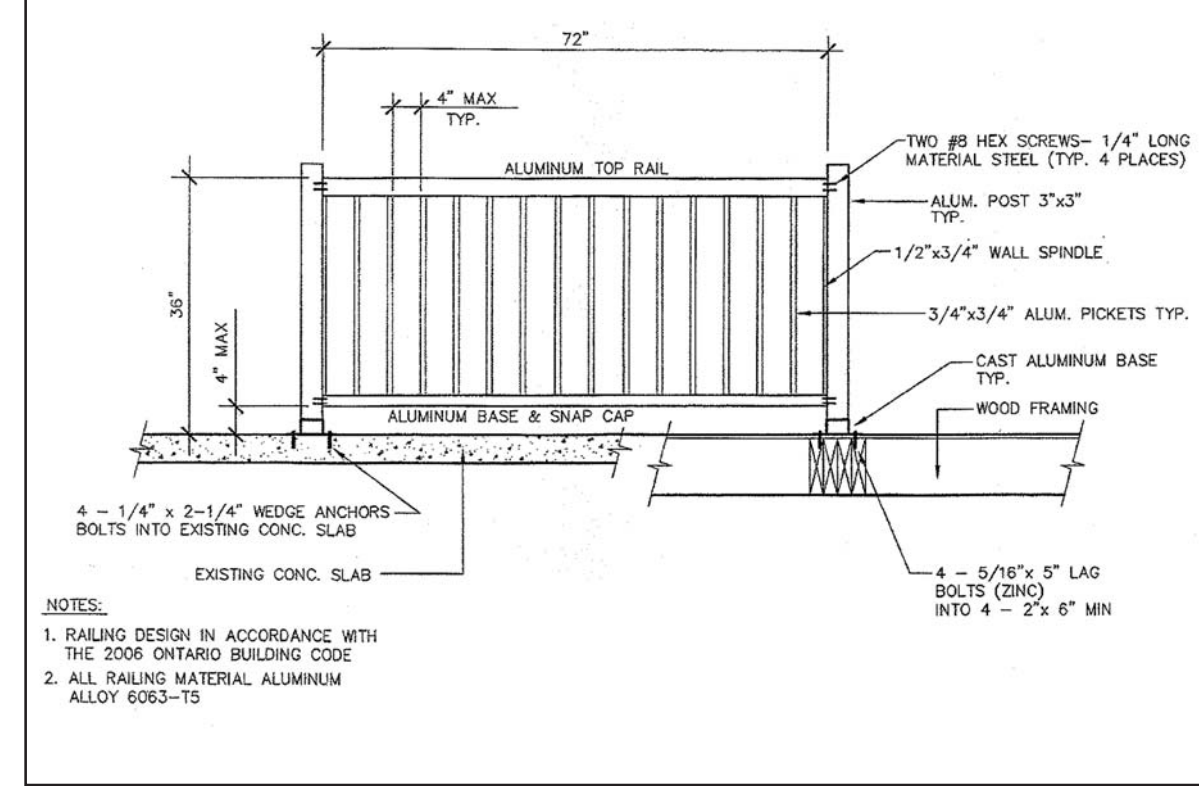
SECTION AT STL. PIPE COLUMN
(N.T.S.)



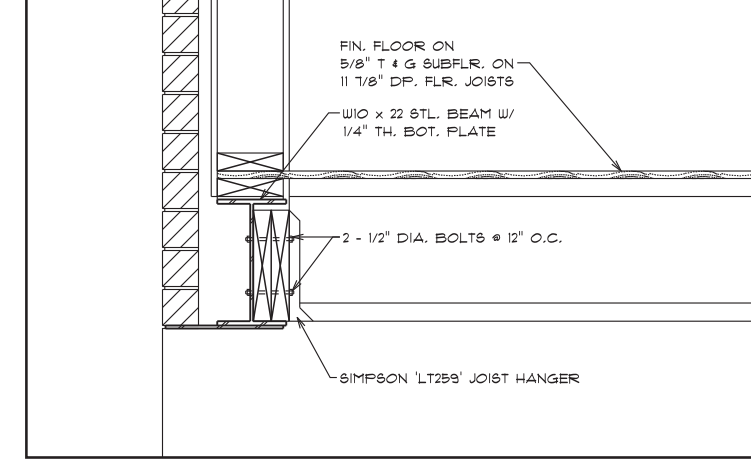
TJI TO PSL FLUSH CONNECTION
(N.T.S.)



STEEL BEAM TO STEEL BEAM SECTION
(N.T.S.)



TYPICAL ALUMINUM RAILING DETAIL
(N.T.S.)



FLUSH STEEL BEAM CONNECTION DETAIL
(N.T.S.)

NOTES :

The contractor must check and verify all dimensions and report any discrepancies to the designer before commencing construction.

Do not scale drawings.

Joists to be at 12" O.C. where supporting ceramic tile.

BCIN INFORMATION :

The undersigned has reviewed and takes responsibility for this design, and has the qualifications and meets the requirements set out in the Ontario Building Code to be a designer.

QUALIFICATION INFORMATION
Required unless design is exempt under subsections 3.2.4 and 3.2.5 of Division C of the Ontario Building Code.

Dean Ruffolo 23640
NAME BCIN
SIGNATURE
REGISTRATION INFORMATION
Required unless design is exempt under subsections 3.2.4 and 3.2.5 of Division C of the Ontario Building Code.

Deris Building Designs Consultants Inc. 28051
FIRM NAME BCIN
This Certification is NOT valid unless accompanied by an original signature.

| NO. | REVISION | DATE |
|-----|----------|------|
| | | |

STRUCTURAL SEAL

LICENSED PROFESSIONAL ENGINEER
R. J. J. 27115301
PROVINCE OF ONTARIO

ANIX DEVELOPMENTS

PROPOSED TWO STOREY
45 STEEPLCHASE AVE.
AURORA, ON.

FOR
ANIX DEVELOPMENTS

DETAILS

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Richmond Hill, Ontario
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| DRAWN BY | CHECKED BY |
|----------|------------|
| D.R. | D.R. |

| DATE | DWG. NO. |
|--------------|----------|
| APR 15, 2024 | A8 |

